

$$\begin{array}{lcl}
 \text{BR} & n_s \\
 P = & \text{-- } x \text{ --} \\
 N & F_s
 \end{array}$$

where BR is the bit rate of said second digital signal, and  $n_s$  is the [average] number of samples of said information whose corresponding information in said second signal is included in one frame of said second signal,

if P is an integer, the number of information packets in one frame is P, and

if P is not an integer, the number of information packets in a number [B] y of the frames is  $P'$ , where  $P'$  is the highest integer whose value is less than P; and the number of information packets in a number w of the other frames is  $P' + 1$ , the [number B] numbers v and w being selected such that the average frame rate of said second digital signal is substantially equal to  $F_s/n_s$ , and that each frame comprises at least a first frame portion including synchronizing information.

30. (twice amended) A transmitter for transmitting wide-band digital information having a sample frequency  $F_s$  via a transmission medium, comprising:

an input terminal for receiving said information to be transmitted, in the form of a first digital signal,

an output, and

a signal source, having an input coupled to said input terminal, for generating and supplying to said output a second digital signal which includes said information, said second digital signal comprising consecutive frames, each frame

comprising a plurality of information packets, and each information packet comprising  $N$  bits, where  $N > 1$ , characterized in that, in the formula

$$P = \frac{BR}{N} \times \frac{n_s}{F_s}$$

where  $BR$  is the bit rate of said second digital signal, and  $n_s$  is the [average] number of samples of said information whose corresponding information in said second signal is included in one frame of said second signal,

if  $P$  is an integer, the number of information packets in one frame is  $P$ , and

if  $P$  is not an integer, the number of information packets in a number  $[B]$  y of the frames is  $P'$ , where  $P'$  is the highest integer whose value is less than  $P$ ; and the number of information packets in a number w of the other frames is  $P' + 1$ , the [number B] numbers v and w being selected such that the average frame rate of said second digital signal is substantially equal to  $F_s/n_s$ , and that each frame comprises at least a first frame portion including synchronizing information.

32. (twice amended) A receiver for receiving wide-band digital information having a sample frequency  $F_s$ , transmitted over a transmission medium, having an output at which said information is provided in the form of a first digital signal, and a decoder for receiving said information in the form of an encoded second digital signal which comprises consecutive

frames, each frame comprising a plurality of information packets, and each information packet comprising  $N$  bits, where  $N > 1$ ,

characterized in that, in the formula

$$P = \frac{BR \cdot n_s}{N \cdot F_s}$$

where  $BR$  is the bit rate of said second digital signal, and  $n_s$  is the [average] number of samples of said information whose corresponding information in said second signal is included in one frame of said second signal,

if  $P$  is an integer, the number of information packets in one frame is  $P$ , and

if  $P$  is not an integer, the number of information packets in a number  $[B]$   $y$  of the frames is  $P'$ , where  $P'$  is the highest integer whose value is less than  $P$ ; and the number of information packets in a number  $w$  of the other frames is  $P' + 1$ , the [number  $B$ ] numbers  $y$  and  $w$  being selected such that the average frame rate of said second digital signal is substantially equal to  $F_s/n_s$ , and that each frame comprises at least a first frame portion including synchronizing information.

#### REMARKS

#### Specification

The specification is further amended to eliminate errors inadvertently resulting from the concurrent preliminary